Title (en)

MINIMALLY INVASIVE DETERMINATION OF COLLATERAL VENTILATION IN LUNGS

Title (de)

MINIMAL INVASIVE BESTIMMUNG DER KOLLATERALEN BELÜFTUNG VON LUNGEN

Title (fr)

DETERMINATION DE VENTILATION COLLATERALE DANS LES POUMONS A EFFRACTION MINIMALE

Publication

EP 1838217 B1 20140625 (EN)

Application

EP 06717427 A 20060104

Priority

- US 2006000221 W 20060104
- US 64571105 P 20050120
- US 69694005 P 20050705

Abstract (en)

[origin: WO2006078451A2] Minimally invasive methods, systems and devices are provided for qualitatively and quantitatively assessing collateral ventilation in the lungs. In particular, collateral ventilation of a target compartment within a lung of a patient is assessed by advancement of a catheter through the tracheobronchial tree to a feeding bronchus of the target compartment. The feeding bronchus is occluded by the catheter and a variety of measurements are taken with the use of the catheter in a manner which is of low risk to the patient. Examples of such measurements include but are not limited to flow rate, volume and pressure. These measurements are used to determine the presence of collateral ventilation and to quantify such collateral ventilation.

IPC 8 full level

A61F 2/958 (2013.01); **A61M 25/10** (2013.01); **A61B 5/08** (2006.01)

CPC (source: EP)

A61B 5/087 (2013.01); **A61B 5/0935** (2013.01)

Citation (examination)

NICHOLAS MORRELL,BRIAN WIGNALL, TONY BIGGS, ANTHONY SEED: "Collateral Ventilation and Gas Exchange in Emphysema", AM.J. RESPIR.CRIT.CARE MED, vol. 150, 1994, pages 635 - 641, XP008162605

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 2006000221 W 20060104; EP 06717427 A 20060104; EP 13163583 A 20060104; JP 2007552150 A 20060104